



RÉPUBLIQUE
FRANÇAISE

*Liberté
Égalité
Fraternité*

UNIVERSITÉ
MARIE & LOUIS
PASTEUR



BAC+3

BACHELOR

Computer Science

Specialization: Multimedia Products
and Services



« *Computer Science dedicated to
creativity* »

● Training objective

In Montbéliard, we offer the specialization Multimedia and Product Services of the Bachelor's degree in Computer Science (only in third year). This specialization is open to students who have completed a second-year level in Computer Science. The content of the training are those of a third year of Computer Science: advanced programming, system, security, networks, modeling etc. However, the Multimedia and Product Services specialization adds a specificity with **additional modules focused on interface design, multimedia communication and digital graphics.**

It is intended for Computer Science students who want to differentiate their profile with skills targeted to creation and communication, for example to work in web, mobile or trans-media design.

As any general Bachelor's degree, this specialization prepares students to continue their studies with a Master's degree. Among others, the Multimedia and Product Services and Internet of Things master's programs are offered on the same campus, in Montbéliard.

Finally, proficiency in English is essential in this field, English classes are taught all over the training. In some courses, English is the language for class presentation or assignments.

● Profile

Students graduated with a second-year Bachelor's in Computer Science or a Bachelor of Technical Studies in the same area. European mobility students holding a professional Bachelor's. Applicants from other academic backgrounds such as BTS SIO, BUT R&T or MMI can also be accepted.



UFR STGI

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and Computer Science*

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Contact

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● Skills

Computing skills

- Multi-tier architecture design and security
- Programming language and computer process
- Networks (internet protocols)
- Web development (front-end and back-end)
- Computer-generated imagery and 3D programming

Communication, graphic design and multimedia

- Graphic design methods and softwares
- UI/UX design
- 2D and 3D infographics
- Introduction to numerical sound

Organization

- Project management on multimedia projects
- Methodology and work in company (internship)

● Further studies

- Master's on the same campus (Multimedia and Computer Science department, Montbéliard)
- Master's in Information Technology – Multimedia Products and Services
- Master's in Embedded Systems – Internet of Things
- Other Master's in Computer Sciences, Digital Design

● Career opportunities

- Website designer and editor
- Digital communication devices designer and developer
- Digital communication manager (web agencies, institutions)

Find all the
information
on our website:
stgi.umlp.fr



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